

CLAIMS

- 5 1. An apparatus, comprising:
a cordless telephone transceiver;
a Bluetooth circuit coupled to said cordless telephone transceiver;
a serial port coupled to said Bluetooth circuit, and
wherein said Bluetooth circuit is operable to couple serial data between said serial port
10 and said cordless telephone transceiver, thereby communicating said serial data
according to the Bluetooth radio communications protocol.
2. The apparatus in claim 1, and wherein said serial communications port is a Universal
Serial Bus compliant serial port.
- 15 3. The apparatus of claim 1, further comprising a software means executable on a
separate computing device enabling the coupling of data signals between said
separate computing device and said Bluetooth circuit, though said serial port, for
coupling said data signals via the Bluetooth radio communications protocol by
20 said cordless telephone transceiver.
4. The apparatus of claim 1, further comprising:
a memory for storing user data coupled to said Bluetooth circuit, said Bluetooth circuit
operable to couple data signals with said memory, and

a software means executable on a separate computing device for synchronizing data stored in said separate computing device with user data stored in said memory via said serial port while said separate computing device is coupled to said serial port.

- 5 5. An integrated Bluetooth dongle and cordless telephone, comprising:
an audio circuit, having an audio signal interface coupled to a microphone and an earphone;
a serial port;

10 a Bluetooth circuit coupled to said audio signal interface and operable to convert between conventional audio signals and Bluetooth compliant audio signals, said Bluetooth circuit having a communications interface coupled to said serial port and operable to convert between conventional serial data signals and Bluetooth compliant data signals, and

15 a cordless telephone transceiver coupled to said Bluetooth circuit, and operable to communicate said Bluetooth compliant audio signals and Bluetooth compliant data signals according to the Bluetooth radio communications protocol.

- 20 6. The apparatus in claim 5, and wherein said serial communications port is a Universal Serial Bus compliant serial port.

- 25 7. The apparatus of claim 5, further comprising a software means executable on a separate computing device enabling the coupling of data signals between said separate computing device and said Bluetooth circuit, through said serial port, for coupling said data signals via the Bluetooth radio communications protocol by said cordless telephone transceiver.

8. The apparatus of claim 5, further comprising:

a memory for storing user data coupled to said Bluetooth circuit, said Bluetooth circuit operable to couple data signals with said memory, and

5 a software means executable on a separate computing device for synchronizing data stored in said separate computing device with user data stored in said memory via said serial port while said separate computing device is coupled to said serial port.

9. An integrated Bluetooth cordless telephone, comprising:

10 a cordless telephone handset, further comprising:

an audio circuit, having an audio signal interface coupled to a microphone and an earphone;

a serial port;

15 a first Bluetooth circuit coupled to said audio signal interface and operable to convert between conventional audio signals and Bluetooth compliant handset audio signals, said Bluetooth circuit having a communications interface coupled to said serial port and operable to convert between conventional serial data signals and Bluetooth compliant data signals;

20 a first cordless telephone transceiver coupled to said Bluetooth circuit, and operable to communicate said Bluetooth compliant handset audio signals and Bluetooth compliant data signals according to the Bluetooth radio communications protocol, and

a cordless telephone base unit, further comprising:

a telephone line interface circuit for coupling to a telephone line;

a second Bluetooth circuit coupled to said telephone line interface and operable to convert between conventional telephony signals and Bluetooth compliant base unit audio signals, and
a second cordless telephone transceiver coupled to said Bluetooth circuit, and
5 operable to communicate said Bluetooth compliant base unit audio signals according to the Bluetooth radio communications protocol, and wherein said cordless telephone handset and said cordless telephone base unit communicate audio and data information according to the Bluetooth protocol.

10 10. The apparatus in claim 9, and wherein said serial communications port is a Universal Serial Bus compliant serial port.

11. The apparatus of claim 9, further comprising a software means executable on a separate computing device enabling the coupling of data signals between said
15 separate computing device and said first Bluetooth circuit, though said serial port, for coupling said data signals via the Bluetooth radio communications protocol by said first cordless telephone transceiver.

12. The apparatus of claim 9, further comprising:
20 a memory for storing user data coupled to said first Bluetooth circuit, said first Bluetooth circuit operable to couple data signals with said memory, and
a software means executable on a separate computing device for synchronizing data stored in said separate computing device with user data stored in said memory via said serial port while said separate computing device is coupled to said serial port.

25